

1- A fabric care composition comprising:

i)- a nitrogen containing compound selected from a polyamino-functional polymer, a dye fixing agent, and mixtures thereof, and

agent; a polyoxyalkylene alkyl amine surface active agent, and mixtures thereof; with the proviso that when the sole nitrogen containing compound is a polyamino-functional polymer, the polymer is present in amounts greater than 1% by weight.

2-A composition according to Claim 1, wherein said water-soluble cationic surface active agent is of formula:

[R¹N⁺R3] X⁻

wherein R^1 is C_{10} - C_{22} hydrocarbon group, or the corresponding ester linkage interrupted group with a C_1 - C_4 alkylene group between the ester linkage and the N, each R is a C_1 - C_4 alkyl or substituted alkyl, or hydrogen, and the counterion X^1 is a softener compatible anion.

3-A composition according to Claim 2, wherein the water-soluble cationic surfactant is selected from N,N dimethyl-N-(2-hydroxyethyl)-N-dodecyl/tetradecyl ammonium bromide, myristoyl choline ester quaternary methylammonium halides, lauroyl choline ester methylammonium halides, cocoyl choline ester quaternary methylammonium halides, and mixtures thereof.

4- A composition according to any one of Claims 4-3, wherein the polyoxyalkylene alkyl amine surface active agent has the formula:

$$R - A_q - N - [(R^1O)_x(R^2O)_y R^3]_m$$
 $(R^4)_n$

wherein R is selected from C_7 - C_{21} linear alkyl, C_7 - C_{21} branched alkyl, C_7 - C_{21} linear alkenyl, C_7 - C_{21} branched alkenyl, and mixtures thereof; R^1 is ethylene; R^2 is selected from C_3 - C_4 linear alkyl, C_3 - C_4 branched alkyl, and mixtures thereof; R^3 is selected from hydrogen, C_1 - C_4 linear alkyl, C_3 - C_4 branched alkyl, and mixtures

thereof; R⁴ is selected from hydrogen, C₁-C₄ linear alkyl, C₃-C₄ branched alkyl, and

$$\left[\left(R^{1}O\right)_{x}\left(R^{2}O\right)_{y}R^{3}\right]$$

mixtures thereof; A is

 R^5 is selected from -[(R^1O)_x(R^2O)_y] unit, C₁-C₁₆ linear alkyl, C₁-C₁₆ branched alkyl, C₁-C₁₆ linear alkenyl, C₁-C₁₆ branched alkenyl, and mixtures thereof; wherein the index m is 1 or 2, the index n is 0 or 1, provided that when m is equal to 1, n is equal to 1; and when m is 2 n is 0; wherein the index x is from 0 to about 50, preferably from 1 to 25, wherein the index y is from 0 to about 10; wherein the index q is 0 or 1.

5-A composition according to Claim 4, wherein said index x is from 1 to 25.

6- A composition according to either one of Claim 4 or 5, wherein said index m is equal to 2 and n is equal to 0.

7-A composition according to any one of Claims 4-6, wherein said polymer comprises a polyamine backbone corresponding to the formula:

$$[R'_2N-R]_{n+1}$$
 $-[N-R]_m$ $-[N-R]_n-NR'_2$

having a polyamine formula $V_{(n+1)}W_mY_nZ$ or a polyamine backbone corresponding to the formula:

$$[R'_2N-R]_{m'k+1}$$
 $[N'-R]_m$ $[N-R]_n$ $[N-R]_k$ $-NR'_2$

having a polyamine formula $V_{(n-k+1)}W_mY_nY_kZ$, wherein k is less than or equal to n, said polyamine backbone has a molecular weight greater than 200 daltons, wherein

i) V units/are terminal units having the formula:

ii) W units are backbone units having the formula:

iii) Y units are branching units having the formula:

iv) Y' units are branch point for a backbone or branch ring having the formula:

v) Z units are terminal units having the formula:

wherein backbone linking R units are selected from the group consisting of C2-C₁₂ alkylene, C₄-C₁₂ alkenylene, C₃-C₁₂ hydroxyalkylene, C₄-C₁₂ dihydroxydialkylarylene, $-(R^{1}O)_{X}R^{1}$ -, $-(R^{1}O)_{X}R^{5}(OR^{1})_{X}$ -, alkylene, C8-C12 $(CH_2CH(OR^2)CH_2O)_z(R^1O)_vR^1(OCH_2CH(OR^2)CH_2)_{w^-}, -C(O)(R^4)_rC(O)_{-}$ CH₂CH(OR²)CH₂-, and mixtures thereof; wherein R¹ is selected from the group consisting of C2-C6 alkylene and mixtures thereof; R2 is selected from the group consisting of hydrogen, -(R¹O)_XB, and mixtures thereof; R⁴ is selected from the group consisting of C₁-C₁₂ alkylene, C₄-C₁₂ alkenylene, C₈-C₁₂ arylalkylene, C₆-C₁₀ arylene, and mixtures thereof; R⁵ is selected from the group consisting of C₁-C₁₂ alkylene, C₃-C₁₂ hydroxyalkylene, C₄-C₁₂ dihydroxy-alkylene, C₈- C_{12} dialkylarylene, -C(O)-, -C(O)NHR⁶NHC(O)-, -R¹(OR¹)-, -C(O)(R⁴)_rC(O)-, - $CH_2CH(OH)CH_2$ -, $-CH_2CH(OH)CH_2O(R^1O)_VR^1OCH_2CH(OH)CH_2$ -, mixtures thereof; R⁶ is selected from the group consisting of C₂-C₁₂ alkylene or C₆-C₁₂ arylene; R' units are selected from the group consisting of hydrogen, C₁-C₂₂ alkyl, C₃-C₂₂ alkenyl, C₇-C₂₂ arylalkyl, C₂-C₂₂ hydroxyalkyl, - $(CH_2)_pCO_2M$, $-(CH_2)_qSO_3M$, $-CH(CH_2CO_2M)CO_2M$, $-(CH_2)_pPO_3M$, $-(R^1O)_xB$,



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-C(O)R³, and mixtures thereof; B is selected from the group consisting of hydrogen, $C_1\text{-}C_6$ alkyl, $-(\text{CH}_2)_q\text{SO}_3\text{M},$ $-(\text{CH}_2)_p\text{CO}_2\text{M},$ $-(\text{CH}_2)_q(\text{CHSO}_3\text{M})\text{CH}_2\text{SO}_3\text{M},$ $-(\text{CH}_2)_q\text{-}(\text{CHSO}_2\text{M})\text{CH}_2\text{SO}_3\text{M},$ $-(\text{CH}_2)_p\text{PO}_3\text{M},$ -PO³3M, and mixtures thereof; R³ is selected from the group consisting of C¹-C¹8 alkyl, C²-C¹² arylalkyl, C²-C¹² alkyl substituted aryl, C³-C¹² aryl, and mixtures thereof; M is hydrogen or a water soluble cation in sufficient amount to satisfy charge balance; X is a water soluble anion; m has the value from 2 to 700; n has the value from 0 to 350; p has the value from 1 to 6, q has the value from 0 to 6; r has the value of 0 or 1; w has the value 0 or 1; x has the value from 1 to 100; y has the value from 0 to 100; z has the value 0 or 1.

8-A composition according to any one of Claims 1-7, wherein said dye fixing agent is a cellulose reactive dye fixing agent.

9-A composition according to any one of Claim 1-8, wherein the nitrogen containing compound is of from 1% to 25% by weight, most preferably from 1% to 10% active by weight of the composition.

10- Use of a surface active agent in a composition comprising a nitrogen containing compound selected from a polyamino-functional polymer, a dye fixing agent, and mixtures thereof, for reducing or preventing the formation of scum on fabrics or washing machine parts contacted with the composition.

11-Use according to Claim 9, wherein said surface active agent is selected from a water-soluble cationic surface active agent; a polyoxyalkylene alkyl amine surface active agent, a water-insoluble softening compound, and mixtures thereof.

Poladob3

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